

FIGURE 1A

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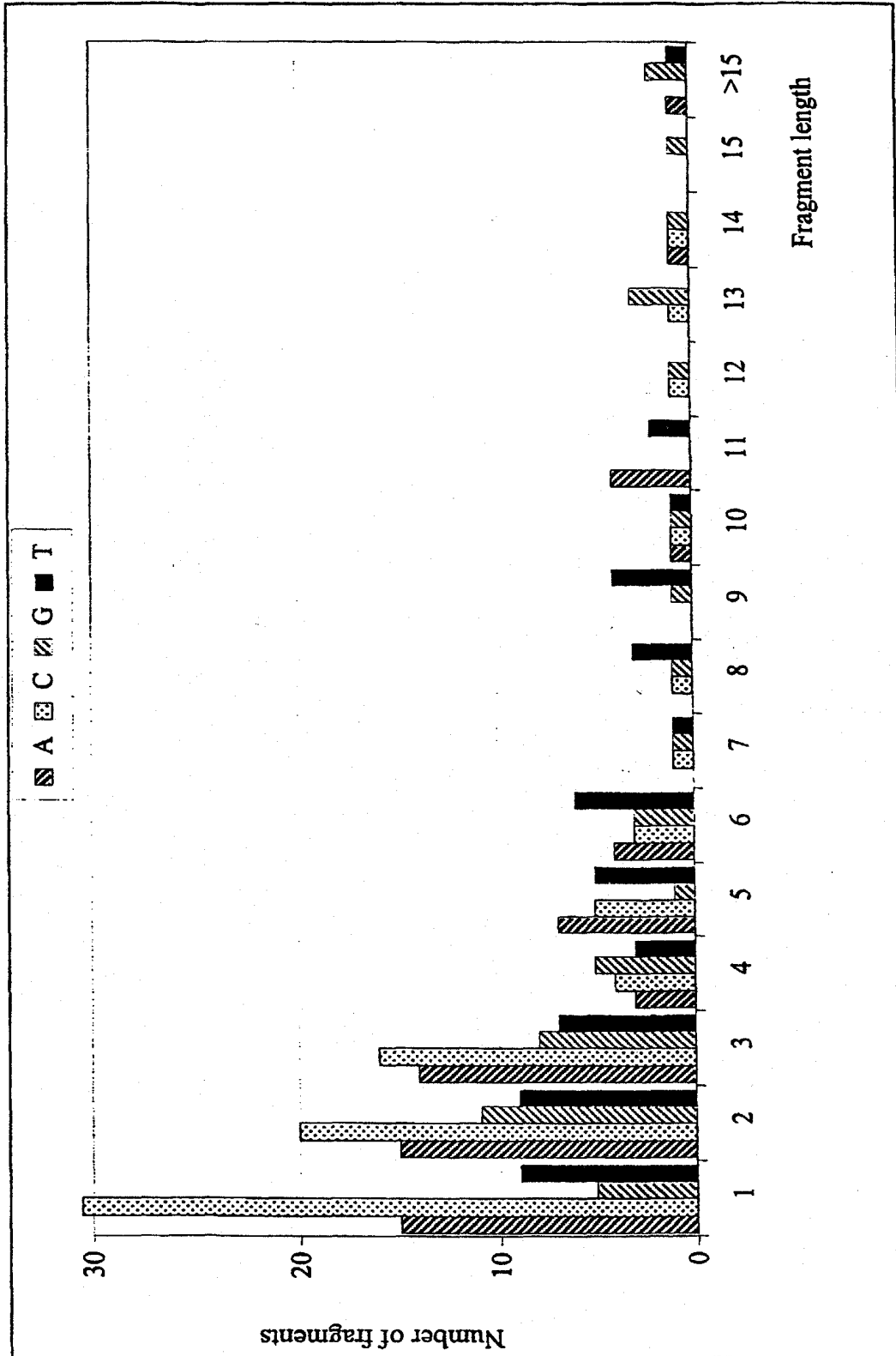


FIGURE 1B

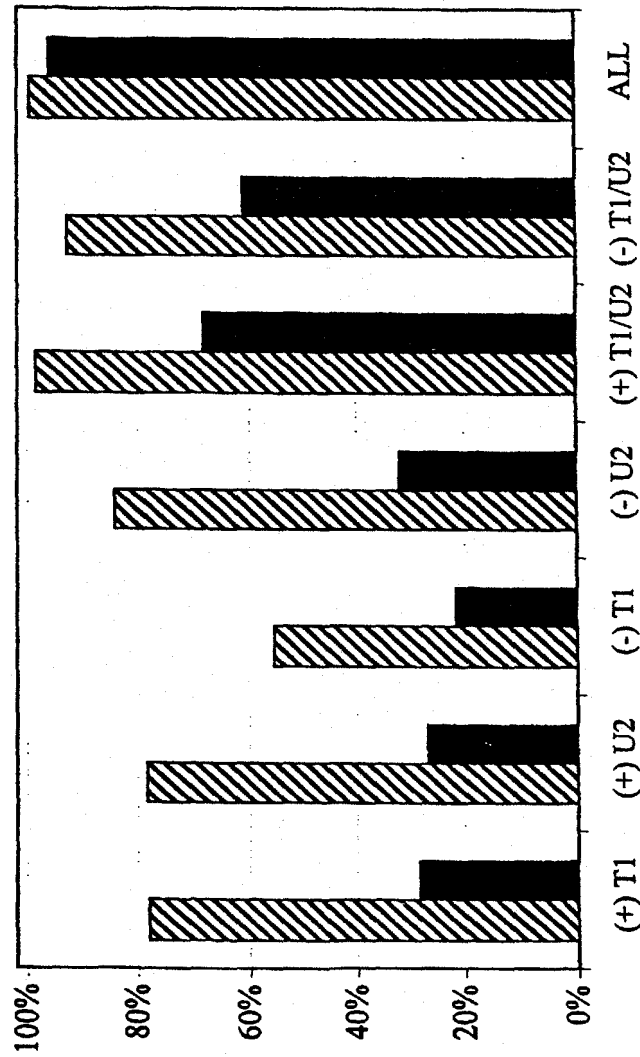


FIGURE 2

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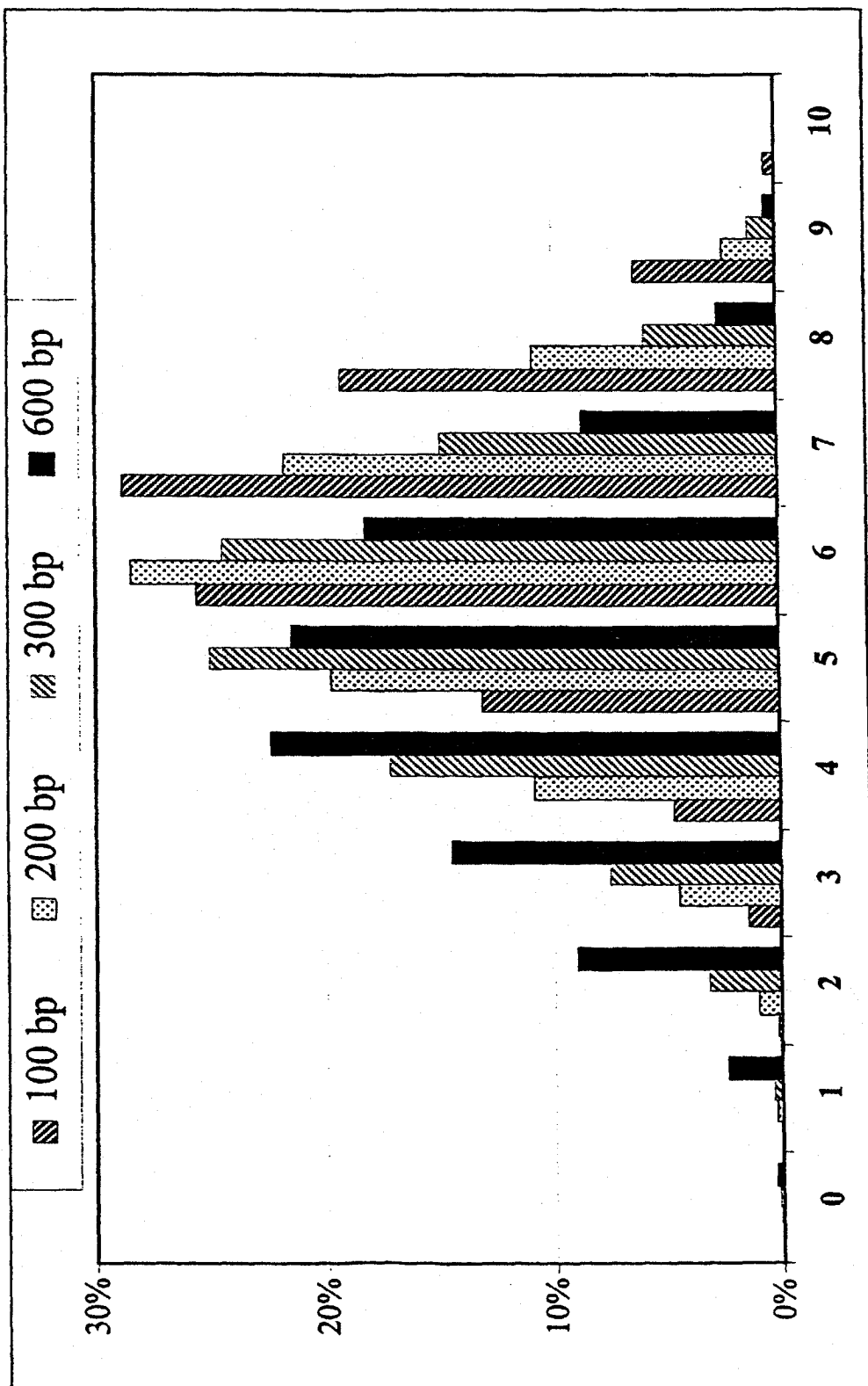


FIGURE 3

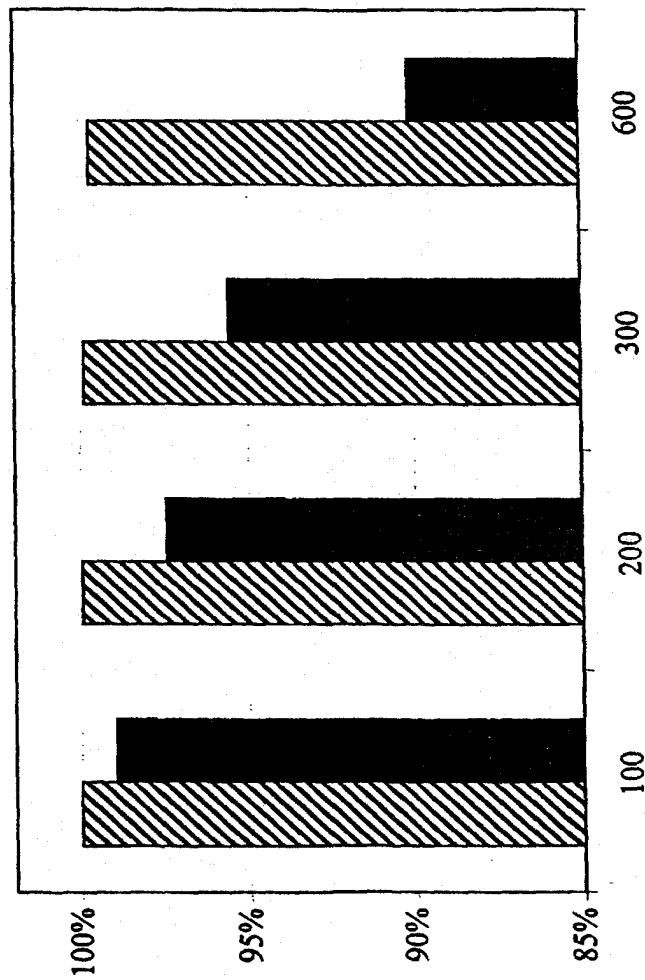


FIGURE 4

-> GTAAACGAC GGCACGTGAA TTGTAATACG ACTCACTATA (SEQ ID NO: 2)

GGGCGAATTC GAGCTCGGTA CCCGGGGATC CTCCTAGAGTC GACCTGCAGG 100  
CATGCAAGCT TGAGTATTCT ATAGTGTAC CTAATAGCT TGGCGTAATC (118)  
ATGGTCATAG CTGTTTCCTG TGTGAATG TTATCCGCTC ACAATTCCAC 200  
ACAACATACG AGCCGGAAGC ATAAAGTGA AAGCCTGGG TGCCTAATGA 200  
GTGAGCTAAC TCACATTAT TCGTTGCGC TCACTGCCCG CTTTCCAGTC  
GGAAACCTG TCGTGCCAGC TGCATTATG AATCGGCCAA CGCGCGGGA 300  
GAGGCGGTTT GCGTATTGGG CGCTCTTCCG CTTCCTCGCT CACTGACTCG 400  
CTGCGCTCG TCGTTCGGT GCGGCGAGG GTATCAGCTC ACTCAAAGGC 400  
GGTAATACG TTATCCACAG AATCAGGGA TAACGCAGGA AAGAATATGT 500  
GAGCAAAAGG CCAGCAAAAG GCCAGGAACC GTAAAAGGC CGCGTTGCTG 500  
GCGTTTTC ATAGGCTCCG CCCCCCTGAC GAGCATCACA AAAATCGACG  
CTCAAGTCAG AGGTGGCGAA ACCCGACAGG ACTATAAGA TACCAGGCGT 600  
TTCCCCCTGG AAGCTCCCTC GTGCGCTCTC CTGTTCCGAC CTTGCCGCTT 700  
ACCGGATACC TGTCCGCCTT TCTCCCTTCG GGAAGCGTGG CGCTTTCACA  
TAGCTCACGC TGTAGGTATC TCAGTTCGGT GTAGGTCGTT CGCTCCAAGC  
TGGGCTGTGT GCACGAACCC CCGTTTCAGC CCGACCGCTG CGCCTTATCC 800  
GGTAACTATC GTCTTGAGTC CAACCCGGTA AGACACGACT TATCGCCACT  
GGCAGCAGCC ACTGGAACA GGATTAGCAG AGCGAGGTAT GTAGGCGGTG 900  
CTACAGAGTT CTTGAAGTGG TGGCCTAACT ACGGCTACAC TAGAAGAACA  
GTATTGGTA TCTGCGCTCT GC (SEQ ID NO: 3) (972)

FIGURE 5

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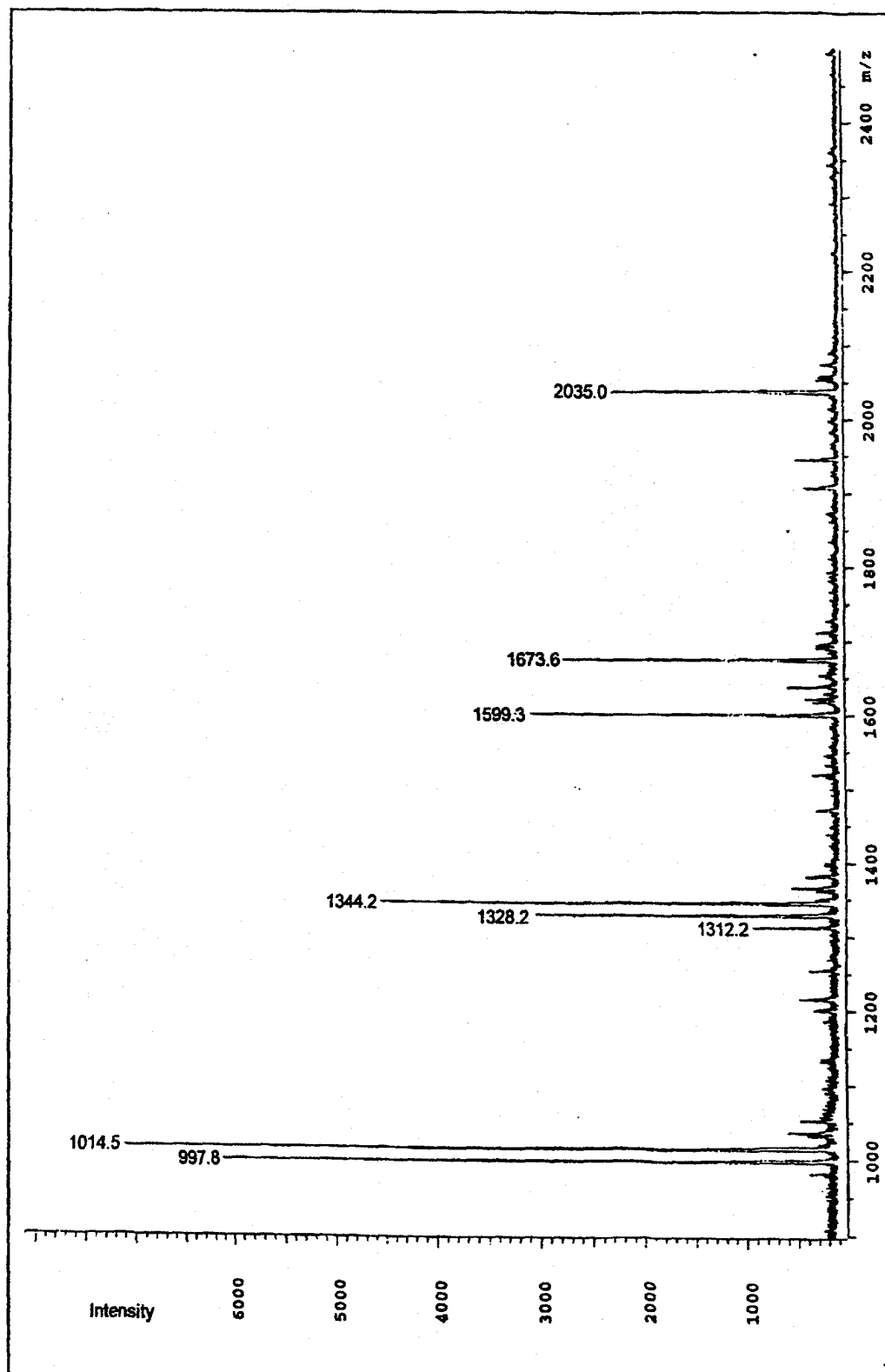


FIGURE 6A

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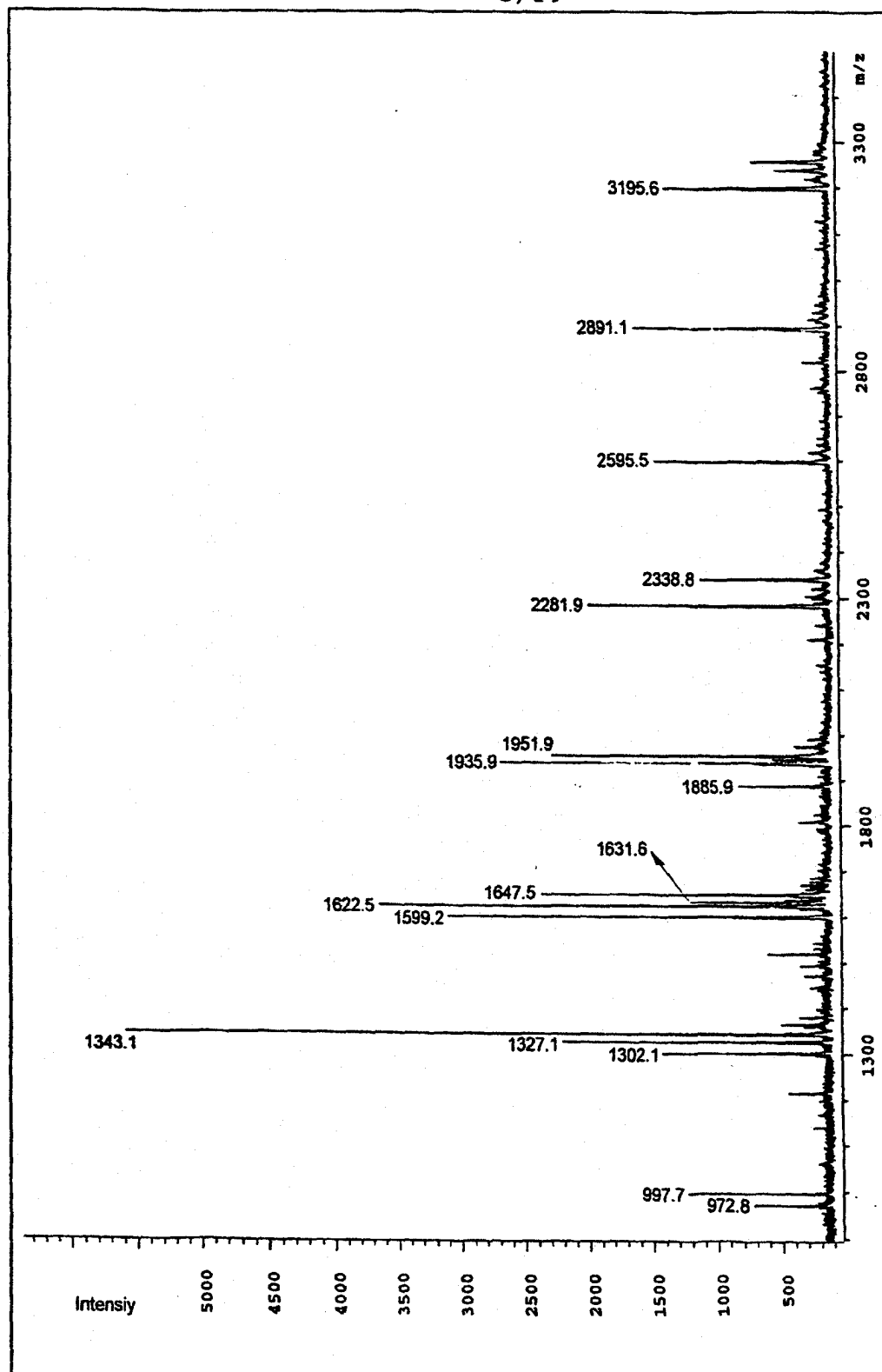


FIGURE 6B



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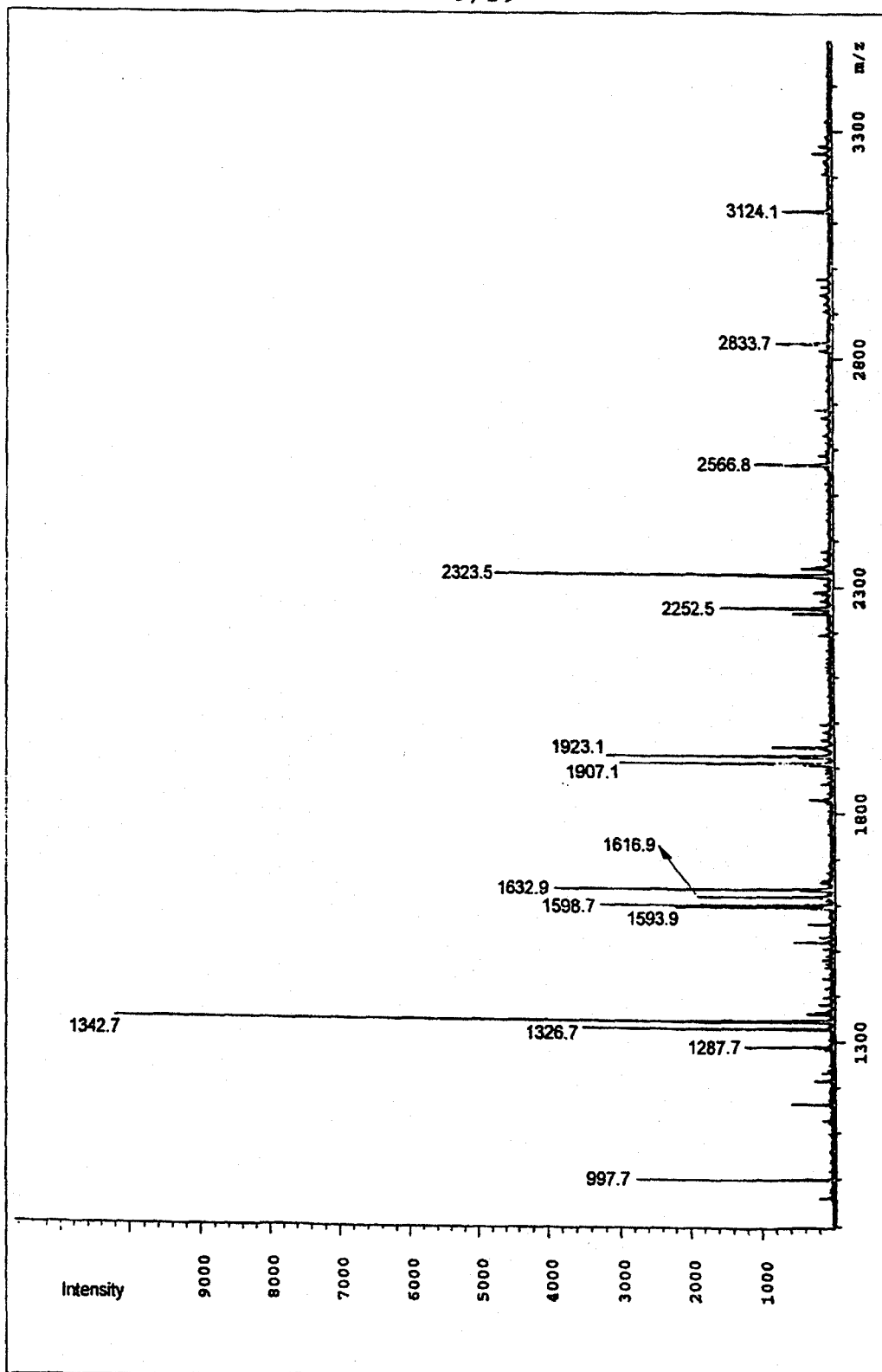


FIGURE 6C

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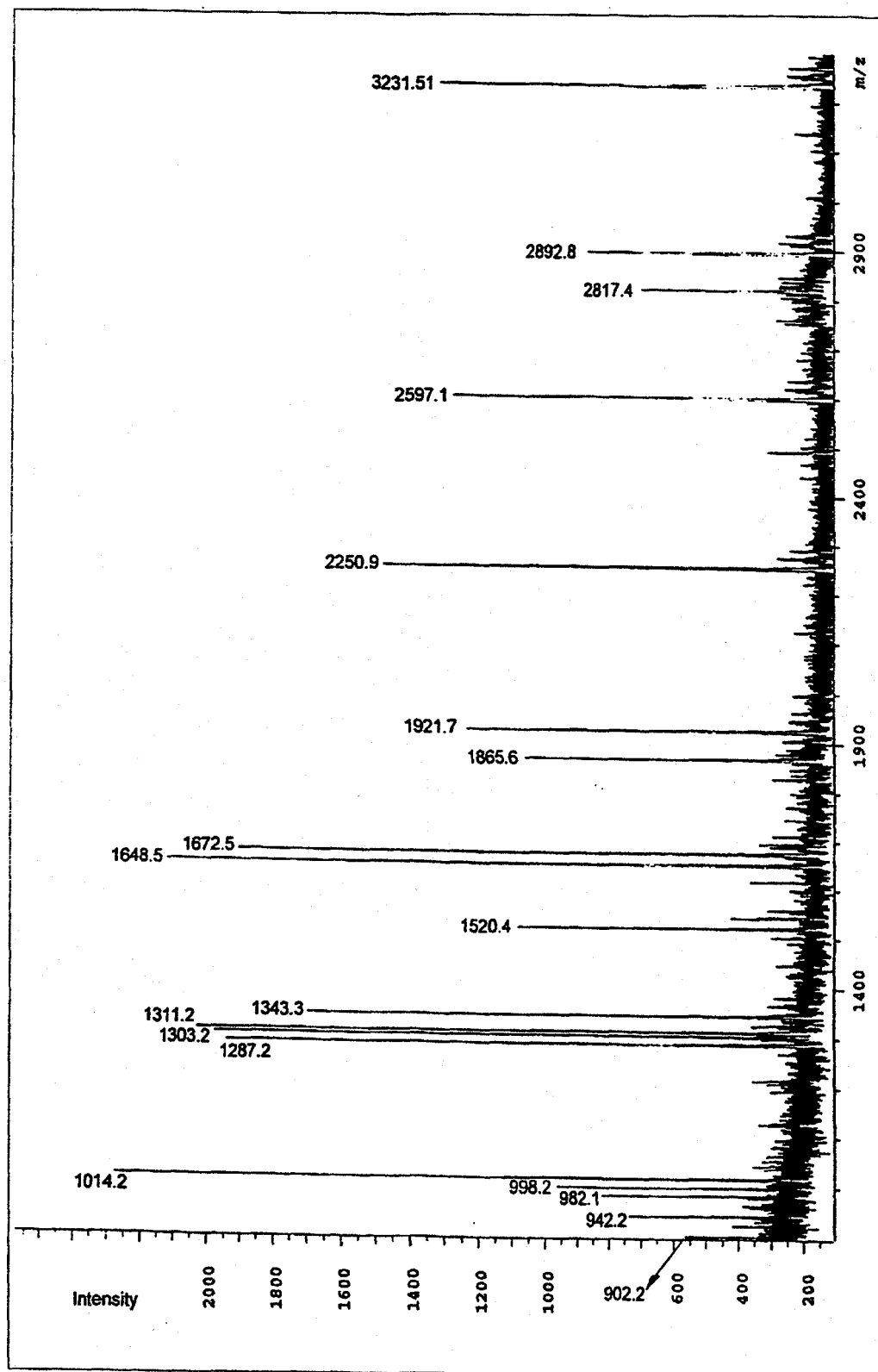


FIGURE 6D

->  
TAATACGACT CACTATAGGG CGACTTCACG AAGACGGTGA AACTGTTGGA TCCAATTCTT ACCCACACAA  
 ATACAACAAC TACGAAGGTT TTGATTTCTC TGTGAGCTCT CCTTACTACG AATGGCCTAT C (SEQ ID NO: 4)

->  
TAATACGACT CACTATAGGG CGAATTCGTA GTAGGGAGAG CTCACAGAGA AATCAAAACC TTCGTAGTTG  
 TTGTATTGT GTGGGTAAGA ATTGGATCCA ACAGTTTCAC CGTCTTCGTG AAGTTTATAT CCGG (SEQ ID NO: 5)

FIGURE 7A

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reference	GGA. TCC. AAT. TCT. TAC. CCA. CAC. AAA. TAC. AAC. AAC. TAC. GAA. GGT. TTT (SEQ ID NO: 6)
mutant #1	GGA. TCC. AAT. TCT. TCT. CCA. CAC. AAA. TAC. AAC. AAC. TAC. GAA. GGT. TTT (SEQ ID NO: 7)
mutant #2	GGA. TCC. AAT. TCT. TAC. CCA. CAC. AAA. TAC. AAC. AAC. TAC. GAA. GGT. TTT (SEQ ID NO: 8)
mutant #3	GGA. TCC. AAT. TCT. TAC. CCA. CAC. AAA. TAC. AAC. AAC. TAC. GAA. GGT. TTT (SEQ ID NO: 9)
mutant #4	GGA. TCC. AAT. TCT. TAC. CCA. CAC. AAA. TAC. AAC. AAC. TAC. GAA. GGT. TTT (SEQ ID NO: 10)
mutant #5	GGA. TCC. AAT. TCT. TAC. CCA. CAC. AAA. TAC. AAC. AAC. TAC. GAA. GGT. TTT (SEQ ID NO: 11)
mutant #6	GGA. TCC. AAT. TCT. TAC. CCA. CAC. AAA. TAC. AAC. AAC. TAC. GAA. GGT. TTT (SEQ ID NO: 12)
mutant #7	GGA. TCC. TCT. TCT. TAC. CCA. CAC. AAA. TAC. AAC. AAC. TAC. GAA. GGT. TTT (SEQ ID NO: 13)
mutant #8	GGA. TCC. AAT. TCT. TAC. CCA. CAC. AAA. TAC. AAC. AAC. TAC. GAA. GGT. TTT (SEQ ID NO: 14)

FIGURE 7B

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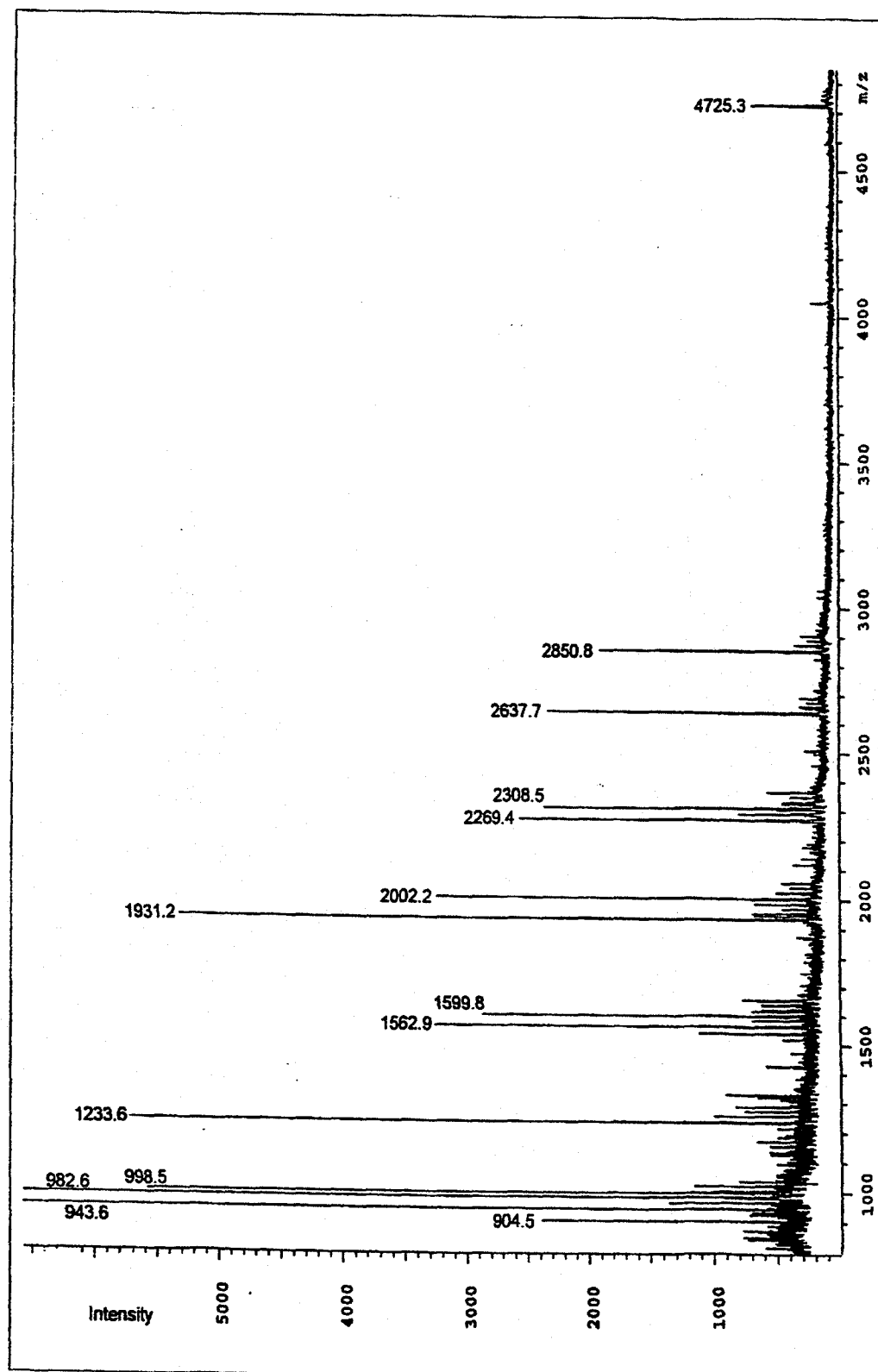


FIGURE 8A

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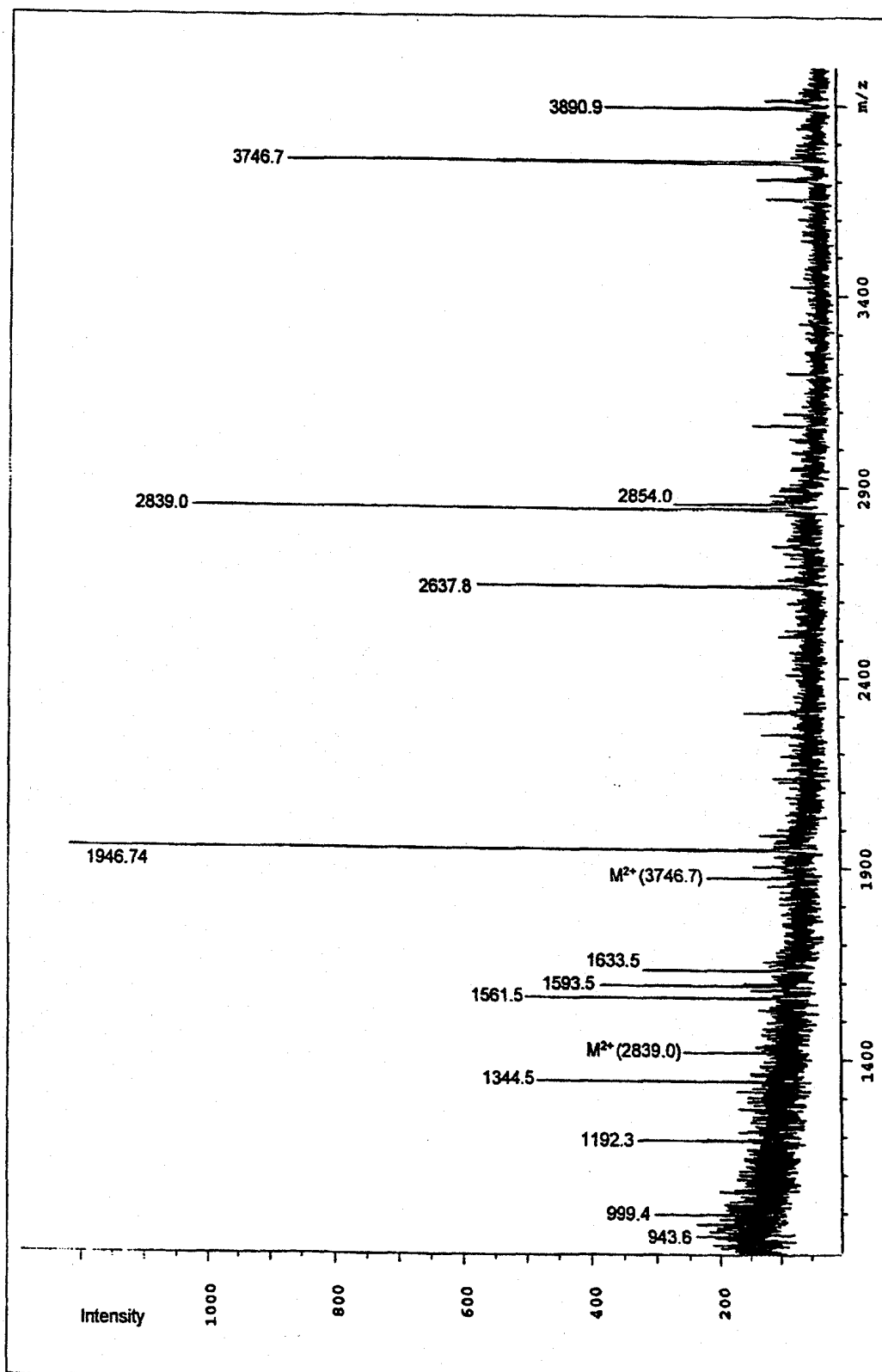


FIGURE 8B

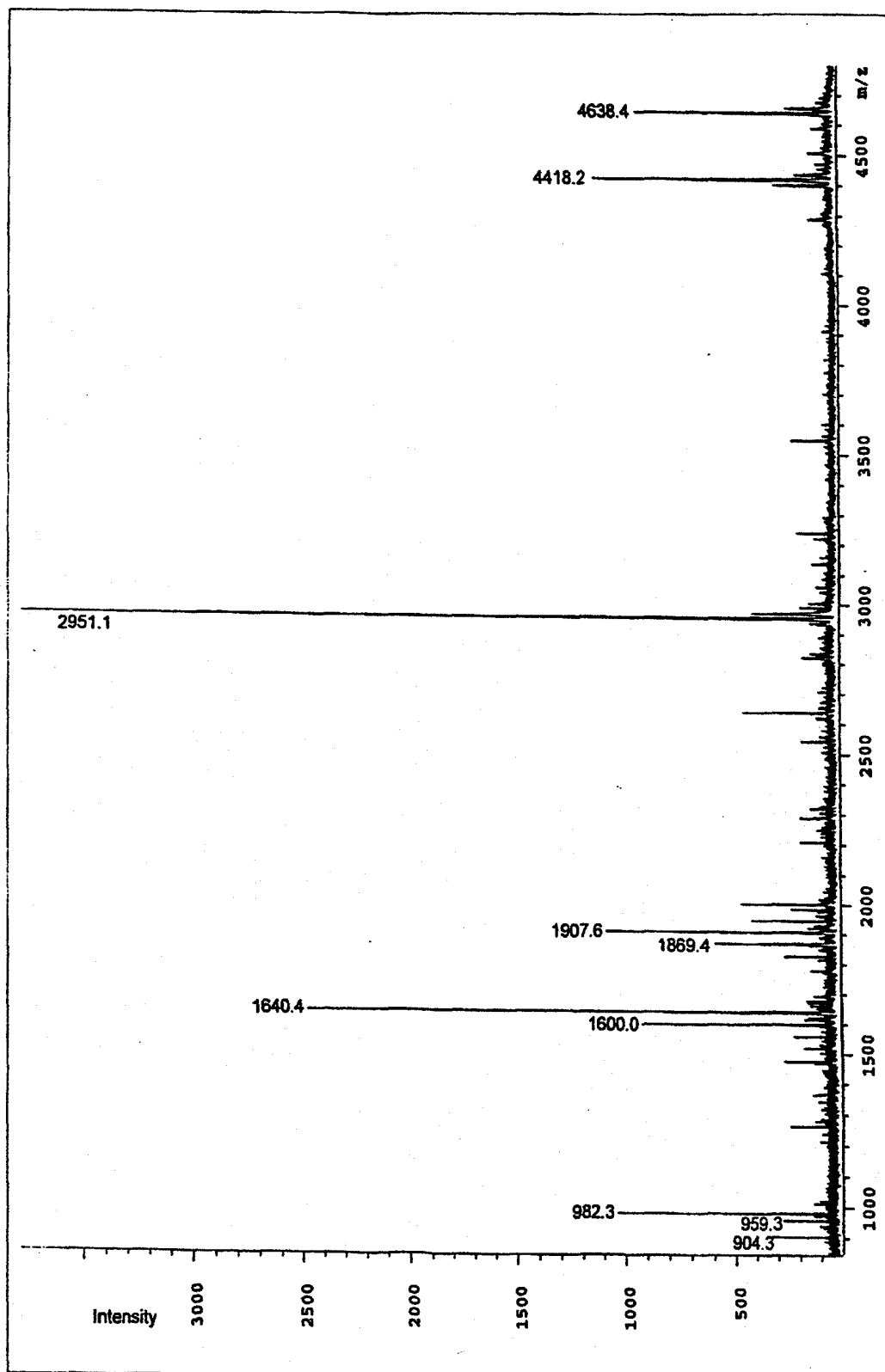


FIGURE 8C

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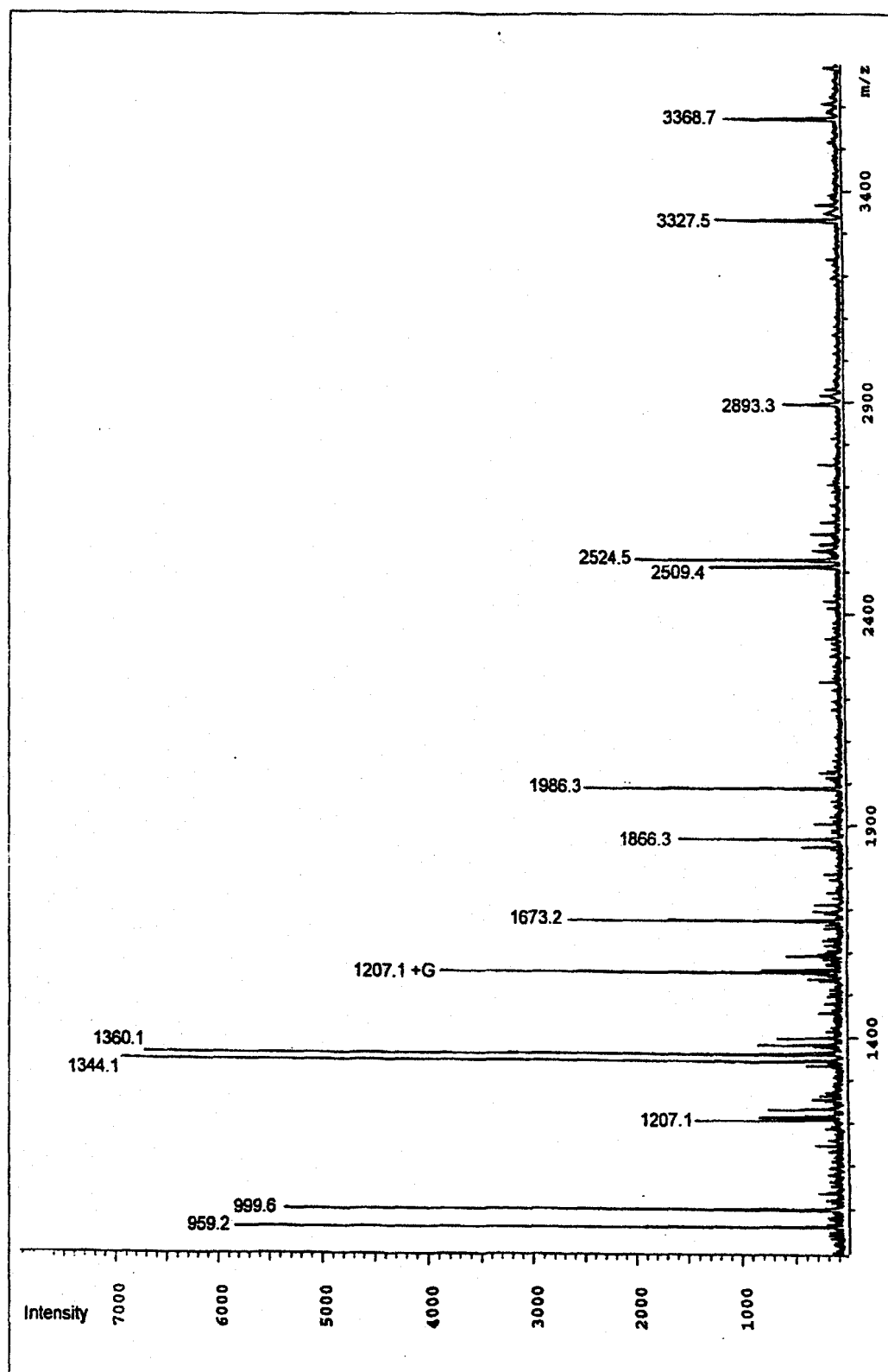


FIGURE 8D



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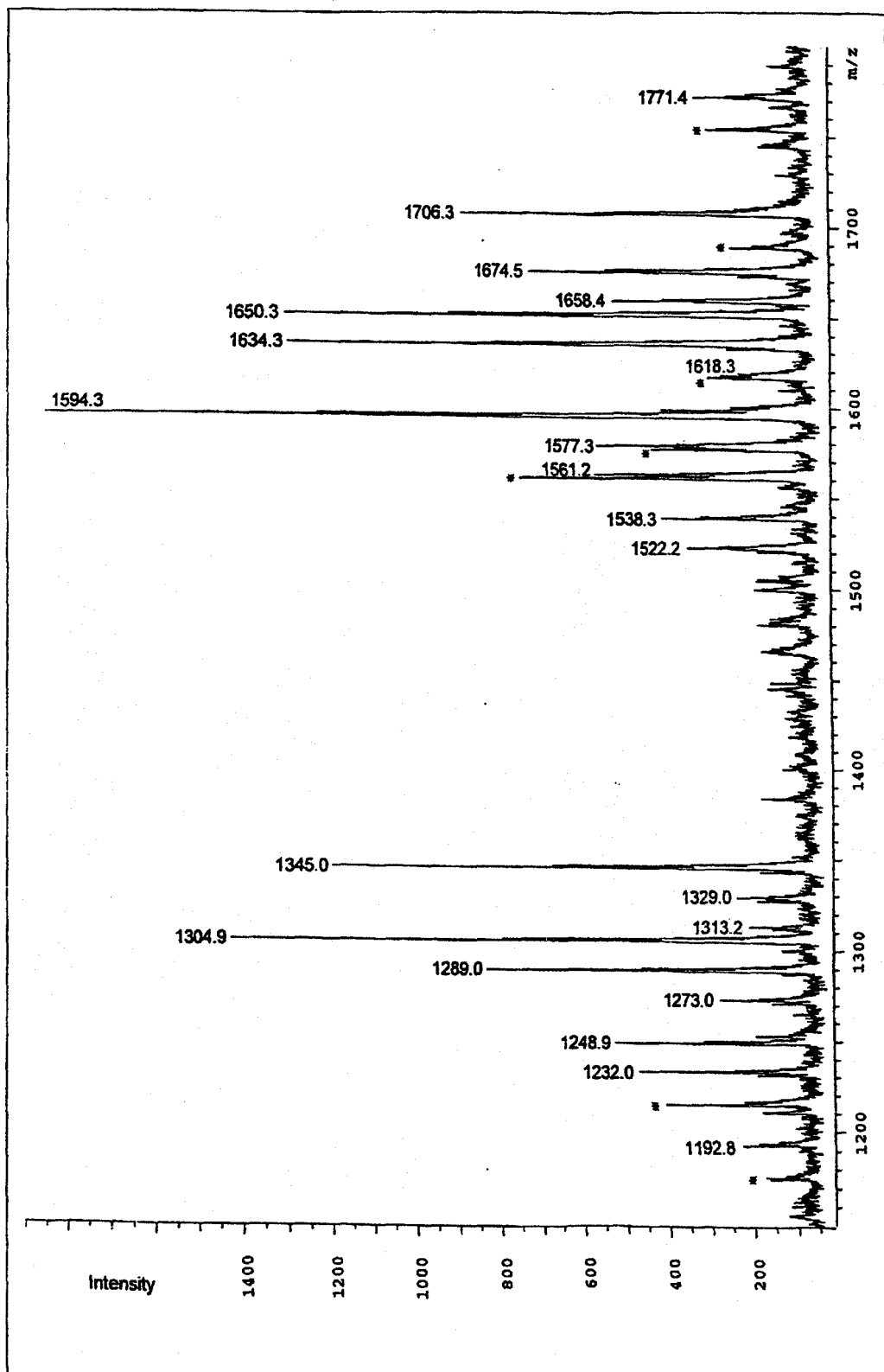


FIGURE 9A

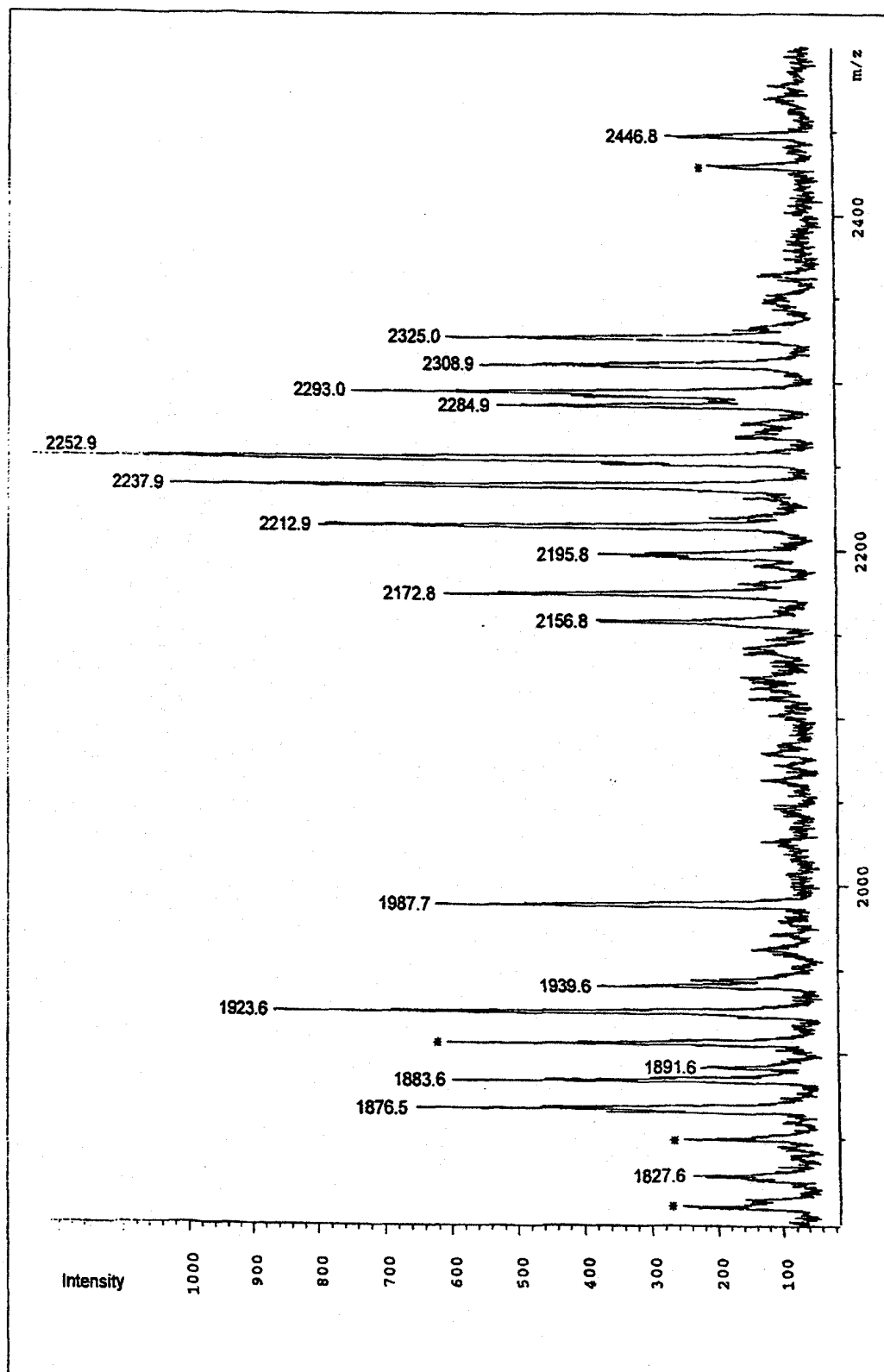


FIGURE 9B

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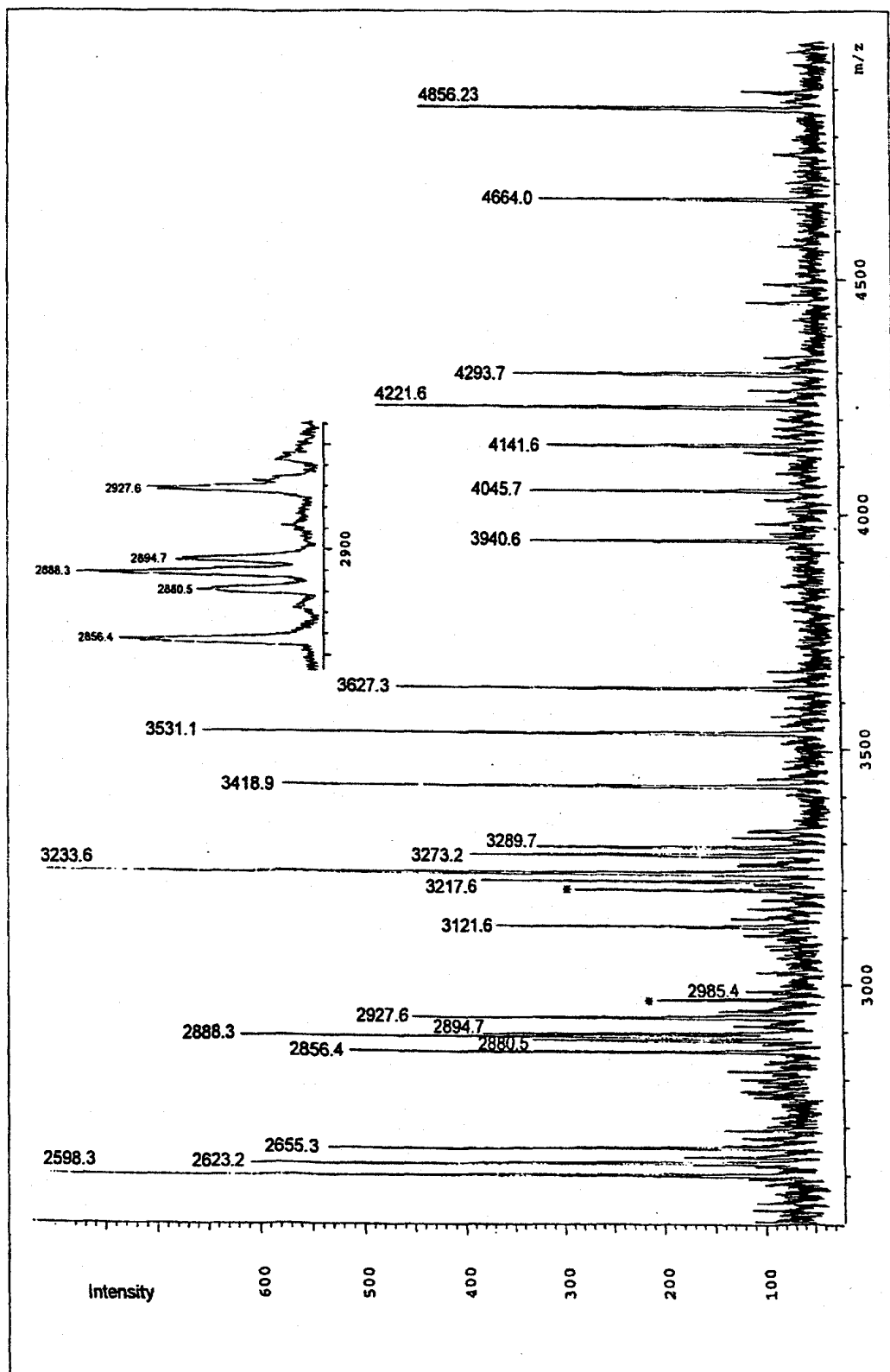


FIGURE 9C